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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

George Zguris et al.

Application No. 10/630,546

Filed: July 29, 2003

Confirmation No. 7494

For: GLASS COMPOSITIONS

Examiner: Not yet assigned

Art Unit: Not yet assigned

Attorney Reference No. 3533-66350

CERTIFICATE OF MAILING

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Attorney
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12-22-03

INFORMATION DISCLOSURE STATEMENT
PURSUANT TO 37 C.F.R. § 1.97(b)(3)

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Listed on the accompanying form PTO-1449 and enclosed herewith are several English-language and/or non-English-language documents. Applicants respectfully request that these documents be listed as references cited on the issued patent.

Applicants filed this Information Disclosure Statement ("IDS") before the mailing date of a first Office action on the merits. As a result, no fee should be required to file this IDS.

The filing of this IDS shall not be construed to be an admission that the information cited in the statement is, or is considered to be, prior art or otherwise material to patentability as defined in 37 C.F.R. §1.56.


Respectfully submitted,

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	Filing Date	July 29, 2003
	First Named Inventor	George Zguris
	Art Unit	Not yet assigned
	Examiner Name	Not yet assigned

**INFORMATION DISCLOSURE STATEMENT
BY APPLICANT**

U.S. PATENT DOCUMENTS

Examiner's Initials*	Cite No. (optional)	Number	Date	Name
		2,774,675	12/1956	Slayter
		2,870,030	1/1959	Stradley et al.
		3,272,657	9/1966	Zenczak
		3,391,055	7/1968	Veres
		3,419,403	12/1968	Searight et al.
		3,450,571	6/1969	Zenczak
		3,732,181	5/1973	Ray et al.
		3,845,737	11/1974	Heussy et al.
		3,892,620	7/1975	Heussy
		3,989,579	11/1976	Sheldon
		4,113,927	9/1978	Johnson et al.
		4,237,083	12/1980	Young et al.
		4,472,030	9/1984	Tachibana et al.
		5,091,275	2/1992	Brecht et al.
		5,180,647	1/1993	Rowland et al.
		5,753,571	5/1998	Donohue
		5,985,488	11/1999	Mitate et al.

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FOREIGN PATENT DOCUMENTS

Examiner's Initials*	Cite No. (optional)	Number	Date	Country
		JP61096659	5/1986	Japan (Abstract)
		JP61128459	6/1986	Japan (Abstract)
		JP63048744	3/1988	Japan (Abstract)
		JP1071060	3/1989	Japan (Abstract)
		EP0439788	8/1991	EPO
		JP4073863	3/1992	Japan (Abstract)
		JP5151947	6/1993	Japan (Abstract)
		JP5283053	10/1993	Japan (Abstract)
		JP6223798	8/1994	Japan (Abstract)
		JP6302313	10/1994	Japan (Abstract)
		JP7029560	1/1995	Japan (Abstract)
		WO95/09131	4/1995	PCT
		JP7201310	8/1995	Japan (Abstract)
		JP8195194	7/1996	Japan (Abstract)
		JP9082303	3/1997	Japan (Abstract)
		JP9092252	4/1997	Japan (Abstract)
		JP9134716	5/1997	Japan (Abstract)

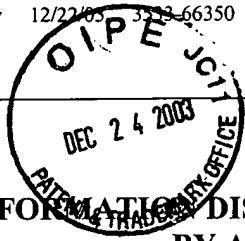
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Examiner's Initials*	Cite No. (optional)	Number	Date	Country	
		JP11016560	1/1999	Japan (Abstract)	
		JP11260335	9/1999	Japan (Abstract)	
		JP11307074	11/1999	Japan (Abstract)	
		JP2000268796	9/2000	Japan (Abstract)	
		JP2001176481	6/2001	Japan (Abstract)	
		JP2002110124	4/2002	Japan (Abstract)	
		JP2002151033	5/2002	Japan (Abstract)	
		JP2002151034	5/2002	Japan (Abstract)	
		JP2002216733	8/2002	Japan (Abstract)	
		JP2002304977	10/2002	Japan (Abstract)	
		JP2003017030	1/2003	Japan (Abstract)	
		WO03/022764	3/2003	PCT	
		WO03/022766	3/2003	PCT	
Examiner's Initials*	Cite No. (optional)	OTHER DOCUMENTS			
		Lam et al., "Influence of Residual Elements in Lead and Expander Materials on the Oxygen- and/or Hydrogen-Gassing Rates of Lead-Acid Batteries," Investigation Report ET/IR448R, ALABC Project N 3.1, 30 pp. (July - December 2001).			

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		Lam et al., "Influence of Residual Elements in Lead on the Oxygen- and/or Hydrogen-Gassing Rates of Lead-Acid Batteries," Investigation Report ET/IR526R, ALABC Project N 3.1, Final Report, 62 pp. (July 2000 - June 2002).
		"Bismuth - History, Background," Download from www.resource-world.net on July 15, 2002, 11 pp.
		"Visit to Exide Technologies, R&D Center, Azuqucade Henares, Sept.17'02" Memo, Hollingsworth & Vose Company, A.K. Nicholson Research Laboratory, New Business Development Unit, 3 pp. (Sept. 17, 2002).
		Lam et al., "Failure mode of valve-regulated lead-acid batteries under high-rate partial-state-of-charge operation," 10 th Asian Battery Conference, 29 pp. (September 3-5, 2003).
		Lam et al., Presentation of "Influence of plate-processing conditions, electrolyte concentration and trace elements on the performance of VRLA batteries at high temperatures and under high-rate partial-state-of-charge operation," given at the 10 th Asian Battery Conference, 25 pp. (September 3-5, 2003).

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